An account of the Eclipſes *or* ingreſſes *of* Jupiters Satellits *into his ſhadow and ſuch* Emerſions *of them from it as will be viſible at the* Obſervatory *at* Greenwich *in the three laſt Months of this year* 1683. *ſent in a Letter to the* Publiſher *from J. F.* Aſtron. Reg.

SIR,

I Here ſend you an account of the *Eclipſes* or *Ingreſſes* of *Jupiters Satellits* into his ſhadow, and ſuch emerſions of them from it as will be viſible at the *Obſervatory* in the three laſt moneths of this year; they are calculated from *new Tables* I made this laſt ſummer, and I hope ſo exactly that the *Ingreſſes* of the firſt will ſeldom be found when obſerved, to differ above 5 minutes from the time ſtated, the 3 but little more; the *Eclipſes* of the fourth and ſecond I dare not promiſe you ſhall agree ſo well, for I find their *motions* evidently intangled with inequalitys, which it will require a long time and many more accurate *obſervations* to determine and limit, then I have yet obtained: theſe *Eclipſes* have been eſteemed, and certainly are a much better expedient for the diſcovery of the *Longitude* then any yet known, by reaſon that they happen frequently, and are eaſily obſerveable with a *Teleſcope* of 12. foot, or for need with one of 8. Theſe *Ingreſſes* (and *emerſions* alſo if viſible) from the time till the opoſition of the ☉ and ♃ happen truely on the right hand or in *antecedence* of the *planet*, but if they ſhall be obſerved with *Teleſcopes* of only two *Convex glaſſes* which invert the object, they appear on the contrary or left ſide of him. If theſe find acceptance with our ingenious friends the *Eclipſes* of the next year ſhall be imparted early enough to be publiſhed in the *December Tranſactions*. I am

SIR,

yours, *&c.*

J. FLAMSTEED.

Obſervatory Sept. 22. 1683.

The

The Ingreſſes *of* ♆ Satellits *into his ſhadow and* Emerſions *of the third and fourth from it, viſible at the* Obſervatory *in the moneths of* October November *and* December, 1683.

			h	'	
October 9.	*Ingreſſe*	of the 1.	at 2.	50.	Morne.
15.	Ing.	of the 4.	at 7.	15.	
16.	Ing.	1.	at 4.	43.	
18.	Ing.	2.	at 3.	17.	
23.	Ing.	1.	at 6.	37.	
25.	Ing.	2.	at 5.	51.	
31.	Emerſion	of the 3.	at 3.	42.	
Novem. 1.	Ingr.	of the 4.	at 1.	10.	
		the 1.	at 2.	59.	
	Emer.	of the 4.	at 4.	52.	
7.	Ingr.	of the 3.	at 4.	10.	
	Emerſ.	of the 3.	at 7.	38.	
8.	Ingr.	of the 1.	at 4.	49.	
14.	Ingr.	of the 3.	at 8.	05.	
15.	Ingr.	of the 1.	at 6.	40.	
17.		of the 1.	at 1.	09.	
19.		of the 2.	at 2.	44.	
22.		of the 1.	at 8.	32.	
24.		of the 2.	at 3.	00.	
26.		of the 2.	at 5.	22.	
Decem.	the 1. Ing.	of the 1.	at 4.	50.	Morn.
2.		of the 1.	at 11.	16.	A. Noo.
3.		of the 2.	at 7.	47.	Morn.
8.		of the 1.	at 6.	38.	Morn.
10.		of the 1.	at 1.	06.	Morn.
12.		of the 3.	at 11.	42.	A. Noo.
13.	and Emerſ.		at 3.	40.	Morn.
13.	Ingr.	of the 2.	at 11.	32.	A. Noo.
17.		of the 1.	at 2.	55.	Morn.
20.	Ingreſ.	of the 3.	at 3.	34.	Morn.
	and Emerſ.		at 7.	00.	Morn.
21.	Ingreſ.	of the 2.	at 2.	05.	Morn.
		of the 4.	at 6.	35.	Morn.
24.	Ingreſ.	of the 1.	at 4.	46.	Morn.
25.		the 1.	at 11.	14.	A. Noo.
28.		the 2.	at 4.	35.	Morn.
31.		the 1.	at 6.	36.	Morn.